

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	6.7	cm ³ /10min	ISO 1133
Melt flow index, MFI	7	g/10min	ISO 1133
ASTM Data			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	65	MPa	ISO 527
Strain at break	90	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	80	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	30	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Other Standards^{S1}			
Relative permittivity, 1MHz	2.85	-	IEC 60250
Dissipation factor, 1MHz	92	E-4	IEC 60250
Comparative tracking index	325	-	UL 746A

S: These properties are reported by the producer according standards that are different to our defaults.

Optical properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	87	%	ISO 13468-1, -2

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	240 - 300	°C	-
Mold temperature	120 - 145	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Additives

Release agent

Regional Availability

North America, Europe, Asia Pacific